

Amendments to the Specification:

Please replace the paragraph on page 39, lines 12-21 with the following paragraph:

B) The effect of IDH siRNA on doxorubicin induced apoptosis in HeLa cells was tested by a loss of function (LOF) assay (see Figure 10).

HeLa cells were transiently transfected with an IDH siRNA (~~5'-AATCCTGATGCCACCAACGAC'-3' 5' AAUCGUGAUGCACCAACGAC' 3'~~ (SEQ ID NO:6), synthesized by DHARMACON Research Inc. 1376 Miners Drive #101 Lafayette, CO 80026). 48 hours after transfection, cells were treated with doxorubicin (500ng/ml for 16h). Apoptosis was measured using an Annexin-V-FITC kit (see above). The results are presented as fold of apoptosis in IDH siRNA transfected cells over apoptosis in LUC transfected cells (control). These results demonstrate that IDH siRNA sensitizes cells to doxorubicin mediated apoptosis.

Please replace the paragraphs on page 31, lines 25-29 with the following paragraphs:

~~Figure 7 and Figure 8 are graphs illustrating the results of loss of function validation experiments.~~

Figure 7 is a graph illustrating the results of loss of function validation experiments in connection with FAS.

Figure 8 is a graph illustrating the results of loss of function validation experiments in connection with the IDH antisense fragment (IRT-4C1).

Applicants: Paz Einat, et al.
Serial No.: 10/618,143
Filed: July 11, 2003
Page 3

Figures 9A-B (A and B) are graphs illustrating the results of gain of function validation experiments.